

GenCore version 5.1.9  
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OM protein - protein search, using sw model

Run on: September 15, 2006, 13:49:44 ; Search time 29.5 Seconds  
(without alignments)  
20.770 Million cell updates/sec

Title: US-10-030-585-1

Perfect score: 37

Sequence: 1 GYRQRL 7

Scoring table: BIOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_AA:\*

- 1: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/5\_COMB.pep:\*
- 2: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/6\_COMB.pep:\*
- 3: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/7\_COMB.pep:\*
- 4: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/H\_COMB.pep:\*
- 5: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/PTUS\_COMB.pep:\*
- 6: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/RE\_COMB.pep:\*
- 7: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	37	100.0	836	1	US-08-216-971-2 Sequence 2, Appli
2	37	100.0	836	1	US-08-812-979-2 Sequence 2, Appli
3	37	100.0	1476	2	US-09-256-703-2 Sequence 2, Appli
4	37	100.0	1479	1	US-08-951-912-4 Sequence 4, Appli
5	37	100.0	1479	2	US-09-174-077-4 Sequence 4, Appli
6	37	100.0	1480	1	US-07-637-621-2 Sequence 2, Appli
7	37	100.0	1480	1	US-08-136-742A-2 Sequence 2, Appli
8	37	100.0	1480	1	US-08-135-809A-2 Sequence 2, Appli
9	37	100.0	1480	1	US-08-466-886-17 Sequence 17, Appli
10	37	100.0	1480	1	US-08-951-912-2 Sequence 2, Appli
11	37	100.0	1480	1	US-08-951-912-6 Sequence 6, Appli
12	37	100.0	1480	1	US-08-469-461-2 Sequence 2, Appli
13	37	100.0	1480	1	US-08-469-461-4 Sequence 4, Appli
14	37	100.0	1480	1	US-08-691-605-2 Sequence 2, Appli
15	37	100.0	1480	1	US-08-455-552A-14 Sequence 14, Appli
16	37	100.0	1480	2	US-07-890-609-2 Sequence 2, Appli
17	37	100.0	1480	2	US-07-890-609-4 Sequence 4, Appli
18	37	100.0	1480	2	US-09-248-026-2 Sequence 2, Appli
19	37	100.0	1480	2	US-08-469-617-17 Sequence 17, Appli
20	37	100.0	1480	2	US-08-681-838A-2 Sequence 2, Appli
21	37	100.0	1480	2	US-08-681-838A-3 Sequence 3, Appli
22	37	100.0	1480	2	US-09-174-077-2 Sequence 2, Appli
23	37	100.0	1480	2	US-09-174-077-6 Sequence 6, Appli
24	37	100.0	1480	2	US-09-425-453A-2 Sequence 2, Appli
25	37	100.0	1480	2	US-09-425-453A-4 Sequence 4, Appli
26	37	100.0	1480	2	US-09-425-453A-6 Sequence 6, Appli

27	37	100.0	1480	2	US-09-425-453A-8	Sequence 8, Appli
28	37	100.0	1480	2	US-09-425-453A-10	Sequence 10, Appli
29	37	100.0	1480	2	US-09-425-453A-12	Sequence 12, Appli
30	37	100.0	1480	2	US-09-425-453A-14	Sequence 14, Appli
31	37	100.0	1480	2	US-09-425-453A-16	Sequence 16, Appli
32	37	100.0	1480	2	US-09-425-453A-18	Sequence 18, Appli
33	37	100.0	1480	2	US-09-425-453A-20	Sequence 20, Appli
34	37	100.0	1480	2	US-08-469-630-17	Sequence 17, Appli
35	37	100.0	1480	2	US-09-949-016-5949	Sequence 5949, Ap
36	37	100.0	1480	2	US-09-405-735-2	Sequence 2, Appli
37	37	100.0	1480	2	US-08-252-778-17	Sequence 17, Appli
38	37	100.0	1480	5	PCT-US93-11667-2	Sequence 2, Appli
39	37	100.0	1480	7	5240846-5	Patent No. 5240846
40	37	100.0	1501	2	US-09-949-016-11311	Sequence 11311, A
41	33	89.2	202	2	US-09-902-540-10239	Sequence 10239, A
42	33	89.2	433	2	US-09-342-647-31	Sequence 31, Appli
43	32	86.5	151	2	US-09-489-039A-9109	Sequence 9109, Ap
44	32	86.5	197	2	US-09-252-991A-24218	Sequence 24218, A
45	32	86.5	314	2	US-09-489-847-239	Sequence 239, App

ALIGNMENTS

RESULT 1  
US-08-216-971-2  
; Sequence 2, Application US/08216971  
; Patent No. 5639661  
; GENERAL INFORMATION:  
; APPLICANT: Welsh, Michael J.  
; APPLICANT: Sheppard, David N.  
; TITLE OF INVENTION: NOVEL GENES AND PROTEINS FOR TREATING  
; TITLE OF INVENTION: CYSTIC FIBROSIS  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, suite #510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/216,971  
; FILING DATE: 23-MAR-1994  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Arnold, Beth E.  
; REGISTRATION NUMBER: 35,430  
; REFERENCE/DOCKET NUMBER: UIZ-011  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 836 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-216-971-2

Query Match 100.0%; Score 37; DB 1; Length 836;  
Best Local Similarity 100.0%; Pred. No. 16;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7

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Db 27 GYRQRL 33

RESULT 2  
US-08-812-979-2  
; Sequence 2, Application US/08812979  
; Patent No. 5958893  
; GENERAL INFORMATION:  
; APPLICANT: Welsh, Michael J.  
; APPLICANT: Sheppard, David N.  
; TITLE OF INVENTION: NOVEL GENES AND PROTEINS FOR TREATING  
; TITLE OF INVENTION: CYSTIC FIBROSIS  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, suite #510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/812,979  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/216,971  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Arnold, Beth E.  
; REGISTRATION NUMBER: 35,430  
; REFERENCE/DOCKET NUMBER: UIZ-011  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 836 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-812-979-2  
Query Match 100.0%; Score 37; DB 1; Length 836;  
Best Local Similarity 100.0%; Pred. No. 16;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GYRQRL 7  
Db 27 GYRQRL 33

RESULT 3  
US-09-256-703-2  
; Sequence 2, Application US/09256703  
; Patent No. 6294379  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Jian-yun  
; APPLICANT: Kan, Yuet Wai  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: Efficient AAV Vectors  
; FILE REFERENCE: 023070-084910US  
; CURRENT APPLICATION NUMBER: US/09/256,703  
; CURRENT FILING DATE: 1999-02-24  
; PRIOR APPLICATION NUMBER: US 60/075,980  
; PRIOR FILING DATE: 1998-02-25  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 1476  
; TYPE: PRT

; ORGANISM: Homo sapiens  
; OTHER INFORMATION: truncated cystic fibrosis transmembrane  
US-09-256-703-2  
Query Match 100.0%; Score 37; DB 2; Length 1476;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GYRQRL 7  
Db 27 GYRQRL 33

RESULT 4  
US-08-951-912-4  
; Sequence 4, Application US/08951912  
; Patent No. 5972995  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Horst  
; APPLICANT: Illek, Beate  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC  
; TITLE OF INVENTION: FIBROSIS THERAPY  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED and BERRY LLP  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/951,912  
; FILING DATE: 16-OCT-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maki, David J.  
; REGISTRATION NUMBER: 31,392  
; REFERENCE/DOCKET NUMBER: 200116.403  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1479 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-951-912-4  
Query Match 100.0%; Score 37; DB 1; Length 1479;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GYRQRL 7  
Db 27 GYRQRL 33

RESULT 5  
US-09-174-077-4  
; Sequence 4, Application US/09174077  
; Patent No. 6329422  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Horst  
; APPLICANT: Illek, Beate  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC FIBROSIS THERAPY  
; FILE REFERENCE: 200116.403C1  
; CURRENT APPLICATION NUMBER: US/09/174,077

; CURRENT FILING DATE: 1998-10-16  
 ; EARLIER APPLICATION NUMBER: US 08/951,912  
 ; EARLIER FILING DATE: 1997-10-16  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 4  
 ; LENGTH: 1479  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-174-077-4

Query Match 100.0%; Score 37; DB 2; Length 1479;  
 Best Local Similarity 100.0%; Pred. No. 30;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7

Db 27 GYRQRL 33

# RESULT 6

US-07-637-621-2  
 ; Sequence 2, Application US/07637621  
 ; Patent No. 5407796

; GENERAL INFORMATION:  
 ; APPLICANT: cutting, gary  
 ; APPLICANT: antonarakis, stylianos e  
 ; APPLICANT: kazanian jr., haig h  
 ; TITLE OF INVENTION: CYSTIC FIBROSIS MUTATION CLUSTER  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Banner, Birch, McKie and Beckett  
 ; STREET: 1001 G Street, N.W.  
 ; CITY: Washington, D.C.  
 ; COUNTRY: USA  
 ; ZIP: 20001

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07/637,621  
 ; FILING DATE: 19910104  
 ; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:  
 ; NAME: kagan, sarah a  
 ; REGISTRATION NUMBER: 32,141  
 ; REFERENCE/DOCKET NUMBER: 1107.030010  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 202-508-9100  
 ; TELEFAX: 202-508-9100

; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1480 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: HOMO SAPIENS

US-07-637-621-2

Query Match 100.0%; Score 37; DB 1; Length 1480;  
 Best Local Similarity 100.0%; Pred. No. 30;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7

Db 27 GYRQRL 33

# RESULT 7

US-08-136-742A-2

; Sequence 2, Application US/08136742A  
 ; Patent No. 5670488  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gregory, R.J., Armentano, D., Couture, L.A., Smith,  
 ; APPLICANT: A.E.  
 ; TITLE OF INVENTION: GENE THERAPY FOR CYSTIC FIBROSIS  
 ; NUMBER OF SEQUENCES: 10  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: BRUMBAUGH, GRAVES, DONOHUE & RAYMOND  
 ; STREET: 30 ROCKEFELLER PLAZA  
 ; CITY: NEW YORK  
 ; STATE: NEW YORK  
 ; COUNTRY: USA  
 ; ZIP: 10112

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/136,742A  
 ; FILING DATE: 02-DEC-1993  
 ; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/985,478  
 ; FILING DATE: 02-DEC-1992  
 ; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Seide, Rochelle K.  
 ; REGISTRATION NUMBER: 32,300  
 ; REFERENCE/DOCKET NUMBER: A30668 (Genzyme Dkt. IG4-9.11)

; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 408-2500  
 ; TELEFAX: (212) 765-2519

; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1480 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear

; MOLECULE TYPE: protein  
 US-08-136-742A-2

Query Match 100.0%; Score 37; DB 1; Length 1480;  
 Best Local Similarity 100.0%; Pred. No. 30;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7

Db 27 GYRQRL 33

# RESULT 8

US-08-135-809A-2

; Sequence 2, Application US/08135809A  
 ; Patent No. 5688677

; GENERAL INFORMATION:

; APPLICANT: CHENG, SENG H.

; APPLICANT: DITULLIO, PAUL

; APPLICANT: EBERT, KARL M.

; APPLICANT: MEADE, HARRY M.

; APPLICANT: SMITH, ALAN E.

; TITLE OF INVENTION: DEOXYRIBONUCLEIC ACIDS CONTAINING

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: GENZYME CORPORATION

; STREET: ONE MOUNTAIN ROAD

; CITY: FRAMINGHAM

; STATE: MASSACHUSETTS

; COUNTRY: USA

; ZIP: 01701

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/135,809A
; FILING DATE: 13-OCT-1993
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: LASSEN, ELIZABETH
; REGISTRATION NUMBER: 31,845
; REFERENCE/DOCKET NUMBER: IG4-9.12
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (508) 872-8400
; TELEFAX: (508) 872-5415
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-135-809A-2

Query Match 100.0%; Score 37; DB 1; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7
DB 27 GYRQRL 33

RESULT 9
US-08-466-886-17
; Sequence 17, Application US/08466886
; Patent No. 5776677
; GENERAL INFORMATION:
; APPLICANT: Tsui, Lap-Chee
; APPLICANT: Riordan, John R.
; APPLICANT: Riordan, John R.
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Kerem, Bat-Sheva
; APPLICANT: Collins, Francis S.
; APPLICANT: Iannuzzi, Michael C.
; APPLICANT: Drumm, Mitchell L.
; APPLICANT: Buckwald, Manuel
; TITLE OF INVENTION: Cystic Fibrosis Gene
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,886
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 1329, 0010006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
;
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1480 amino acids
; TYPE: amino acid
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-08-466-886-17

Query Match 100.0%; Score 37; DB 1; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7
DB 27 GYRQRL 33

RESULT 10
US-08-951-912-2
; Sequence 2, Application US/08951912
; Patent No. 5972995
; GENERAL INFORMATION:
; APPLICANT: Fischer, Horst
; APPLICANT: Illek, Beate
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC
; TITLE OF INVENTION: FIBROSIS THERAPY
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/951,912
; FILING DATE: 16-OCT-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 200116.403
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-951-912-2

Query Match 100.0%; Score 37; DB 1; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7
DB 27 GYRQRL 33

RESULT 11
US-08-951-912-6
; Sequence 6, Application US/08951912
; Patent No. 5972995
; GENERAL INFORMATION:
; APPLICANT: Fischer, Horst
; APPLICANT: Illek, Beate
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC
; TITLE OF INVENTION: FIBROSIS THERAPY
; NUMBER OF SEQUENCES: 6
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; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED and BERRY LLP  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/951,912  
; FILING DATE: 16-OCT-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maki, David J.  
; REGISTRATION NUMBER: 31,392  
; REFERENCE/DOCKET NUMBER: 200116.403  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1480 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; US-08-951-912-6

Query Match 100.0%; Score 37; DB 1; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 12  
US-08-469-461-2  
; Sequence 2, Application US/08469461B  
; Patent No. 5981178  
; GENERAL INFORMATION:  
; APPLICANT: Tsui, Lap-Chee  
; APPLICANT: Rommins, Johanna M.  
; APPLICANT: Kerem, Bat-Sheva  
; TITLE OF INVENTION: Introns and Exons of the Cystic Fibrosis Gene and  
; FILE REFERENCE: 3477-61, 033477/139840  
; CURRENT APPLICATION NUMBER: US/08/469,461B  
; CURRENT FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 1480  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-08-469-461-2

Query Match 100.0%; Score 37; DB 1; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 13  
US-08-469-461-4  
; Sequence 4, Application US/08469461B

; Patent No. 5981178  
; GENERAL INFORMATION:  
; APPLICANT: Tsui, Lap-Chee  
; APPLICANT: Rommins, Johanna M.  
; APPLICANT: Kerem, Bat-Sheva  
; TITLE OF INVENTION: Introns and Exons of the Cystic Fibrosis Gene and  
; FILE REFERENCE: 3477-61, 033477/139840  
; CURRENT APPLICATION NUMBER: US/08/469,461B  
; CURRENT FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 1480  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-08-469-461-4

Query Match 100.0%; Score 37; DB 1; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 14  
US-08-691-605-2  
; Sequence 2, Application US/08691605  
; Patent No. 5981714  
; GENERAL INFORMATION:  
; APPLICANT: Cheng, Seng H., Marshall, John, Gregory, Richard J.  
; APPLICANT: and Rafter, Patrick W.  
; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR CYSTIC FIBROSIS  
; TITLE OF INVENTION: TRANSMEMBRANE CONDUCTANCE REGULATOR AND USES  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 STATE STREET, SUITE 510  
; CITY: BOSTON  
; STATE: MASSACHUSETTS  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/691,605  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/114,950  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hanley, Elizabeth A.  
; REGISTRATION NUMBER: 33,505  
; REFERENCE/DOCKET NUMBER: NZ1-029  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1480 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-691-605-2

Query Match 100.0%; Score 37; DB 1; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 15  
US-08-455-552A-14  
; Sequence 14, Application US/08455552A  
; Patent No. 5990279  
; GENERAL INFORMATION:  
; APPLICANT: Carter, Barrie J.  
; APPLICANT: Flotte, Terence  
; APPLICANT: Afione, Sandra  
; APPLICANT: Solow, Ricki  
; TITLE OF INVENTION: MODIFIED ADENO-ASSOCIATED VIRUS VECTOR  
; TITLE OF INVENTION: CAPABLE OF EXPRESSION FROM A NOVEL PROMOTER  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG  
; STREET: 127 Peachtree Street, Suite 1200  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/455,552A  
; FILING DATE: 31 May 1995  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perryman, David G.  
; REGISTRATION NUMBER: 33,438  
; REFERENCE/DOCKET NUMBER: 20094.0152  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770  
; TELEFAX: (404) 688-9880  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1480 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-455-552A-14

Query Match 100.0%; Score 37; DB 1; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 16  
US-07-890-609-2  
; Sequence 2, Application US/07890609C  
; Patent No. 6001588  
; GENERAL INFORMATION:  
; APPLICANT: Tsui, Lap-Chee  
; APPLICANT: Rommins, Johanna M.  
; APPLICANT: Kerem, Bat-Sheva  
; TITLE OF INVENTION: Introns and Exons of the Cystic Fibrosis Gene and  
; TITLE OF INVENTION: Mutations at Various Positions of the Gene  
; FILE REFERENCE: 3477-61, 033477/139840

; CURRENT APPLICATION NUMBER: US/07/890,609C  
; CURRENT FILING DATE: 1992-07-13  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 1480  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-07-890-609-2

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 17  
US-07-890-609-4  
; Sequence 4, Application US/07890609C  
; Patent No. 6001588  
; GENERAL INFORMATION:  
; APPLICANT: Tsui, Lap-Chee  
; APPLICANT: Rommins, Johanna M.  
; APPLICANT: Kerem, Bat-Sheva  
; TITLE OF INVENTION: Introns and Exons of the Cystic Fibrosis Gene and  
; TITLE OF INVENTION: Mutations at Various Positions of the Gene  
; FILE REFERENCE: 3477-61, 033477/139840  
; CURRENT APPLICATION NUMBER: US/07/890,609C  
; CURRENT FILING DATE: 1992-07-13  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 1480  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-07-890-609-4

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 18  
US-09-248-026-2  
; Sequence 2, Application US/09248026  
; Patent No. 6093567  
; GENERAL INFORMATION:  
; APPLICANT: Gregory, R.J., Armentano, D., Couture, L.A., Smith,  
; APPLICANT: A.E.  
; TITLE OF INVENTION: ADENOVIRUS VECTORS FOR GENE THERAPY  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BAKER & BOTTS, L.L.P.  
; STREET: 30 ROCKEFELLER PLAZA  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10112  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/248,026  
; FILING DATE: 10-FEB-1999

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/895,194  
FILING DATE: 16-JUL-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Seide, Rochelle K.  
REGISTRATION NUMBER: 32,300  
REFERENCE/DOCKET NUMBER: A30668-C  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 705-5000  
TELEFAX: (212) 705-5020  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1480 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-248-026-2

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
DB 27 GYRQRL 33

RESULT 19  
US-08-469-617-17  
; Sequence 17, Application US/08469617  
; Patent No. 6201107  
; GENERAL INFORMATION:  
; APPLICANT: Tsui, Lap-Chee  
; APPLICANT: Riordan, John R.  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Kerem, Bat-Sheva  
; APPLICANT: Collins, Francis S.  
; APPLICANT: Iannuzzi, Michael C.  
; APPLICANT: Drumm, Mitchell L.  
; APPLICANT: Buckwald, Manuel  
; TITLE OF INVENTION: Cystic Fibrosis Gene  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
; STREET: 1100 New York Avenue, N.W.  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/469,617  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 800  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldstein, Jorge A.  
; REGISTRATION NUMBER: 29,021  
; REFERENCE/DOCKET NUMBER: 1329.0010008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 17:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1480 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-469-617-17

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
DB 27 GYRQRL 33

RESULT 20  
US-08-681-838A-2  
; Sequence 2, Application US/08681838A  
; Patent No. 6245735  
; GENERAL INFORMATION:  
; APPLICANT: Pier, Gerald B  
; TITLE OF INVENTION: Methods and Products for Treating  
; TITLE OF INVENTION: Pseudomonas Infection  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks PC  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/681,838A  
; FILING DATE:  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gates, Edward R  
; REGISTRATION NUMBER: 31,616  
; REFERENCE/DOCKET NUMBER: B0801/7054  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-720-3500  
; TELEFAX: 617-720-2441  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1480 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-681-838A-2

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
DB 27 GYRQRL 33

RESULT 21  
US-08-681-838A-3  
; Sequence 3, Application US/08681838A  
; Patent No. 6245735  
; GENERAL INFORMATION:  
; APPLICANT: Pier, Gerald B  
; TITLE OF INVENTION: Methods and Products for Treating  
; TITLE OF INVENTION: Pseudomonas Infection  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks PC  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: MA

; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/681,838A  
; FILING DATE:  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gates, Edward R  
; REGISTRATION NUMBER: 31,616  
; REFERENCE/DOCKET NUMBER: B0801/7054  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-720-3500  
; TELEFAX: 617-720-2441  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1480 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; US-08-681-838A-3

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
DB 27 GYRQRL 33

RESULT 22  
US-09-174-077-2  
; Sequence 2, Application US/09174077  
; Patent No. 6329422  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Horst  
; APPLICANT: Illek, Beate  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC FIBROSIS THERAPY  
; FILE REFERENCE: 200116.403C1  
; CURRENT APPLICATION NUMBER: US/09/174,077  
; CURRENT FILING DATE: 1998-10-16  
; EARLIER APPLICATION NUMBER: US 08/951,912  
; EARLIER FILING DATE: 1997-10-16  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 1480  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-174-077-2

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
DB 27 GYRQRL 33

RESULT 23  
US-09-174-077-6  
; Sequence 6, Application US/09174077  
; Patent No. 6329422

; GENERAL INFORMATION:  
; APPLICANT: Fischer, Horst  
; APPLICANT: Illek, Beate  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR CYSTIC FIBROSIS THERAPY  
; FILE REFERENCE: 200116.403C1  
; CURRENT APPLICATION NUMBER: US/09/174,077  
; CURRENT FILING DATE: 1998-10-16  
; EARLIER APPLICATION NUMBER: US 08/951,912  
; EARLIER FILING DATE: 1997-10-16  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 1480  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-174-077-6

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
DB 27 GYRQRL 33

RESULT 24  
US-09-425-453A-2  
; Sequence 2, Application US/09425453A  
; Patent No. 6468793  
; GENERAL INFORMATION:  
; APPLICANT: Teem, John L.  
; TITLE OF INVENTION: CFTR Genes and Proteins for Cystic Fibrosis Gene Therapy  
; FILE REFERENCE: FSU-99XC1  
; CURRENT APPLICATION NUMBER: US/09/425,453A  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,444  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 1480  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(1480)  
; US-09-425-453A-2

Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7  
DB 27 GYRQRL 33

RESULT 25  
US-09-425-453A-4  
; Sequence 4, Application US/09425453A  
; Patent No. 6468793  
; GENERAL INFORMATION:  
; APPLICANT: Teem, John L.  
; TITLE OF INVENTION: CFTR Genes and Proteins for Cystic Fibrosis Gene Therapy  
; FILE REFERENCE: FSU-99XC1  
; CURRENT APPLICATION NUMBER: US/09/425,453A  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,444  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4



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; LENGTH: 1480
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(1480)
US-09-425-453A-4

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Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7  
|||  
Db 27 GYRQRL 33

RESULT 26  
US-09-425-453A-6  
; Sequence 6, Application US/09425453A  
; Patent No. 6468793  
; GENERAL INFORMATION:

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; APPLICANT: Teem, John L.
; TITLE OF INVENTION: CTRR Genes and Proteins for Cystic Fibrosis Gene Therapy
; FILE REFERENCE: FSU-99XCL
; CURRENT APPLICATION NUMBER: US/09/425,453A
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,444
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6

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Query Match      100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels
```

Qy 1 GYRQRL 7  
| | | | |  
Db 27 GYRQRL 33

RESULT 27  
US-09-425-453A-8  
; Sequence 8, Application US/09425453A  
; Patent No. 6468793  
; GENERAL INFORMATION:

```

APPLICANT: Team John L.
TITLE OF INVENTION: CTRF Genes and Proteins for Cystic Fibrosis Gene Therapy
FILE REFERENCE: FSU-99XCL
CURRENT APPLICATION NUMBER: US/09/425,453A
CURRENT FILING DATE: 1999-10-22
PRIORITY APPLICATION NUMBER: 60/105,444
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.0

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```
Query Match      100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	1	G	Y	R	Q	R	L	E	7
Db	27	G	Y	R	Q	R	L	E	33

RESULT 28  
US-09-425-453A-10  
; sequence 10, Application US/09425453A  
; Patent No. 6468793  
; GENERAL INFORMATION:

```

, APPLICANT: Teem, John L.
, TITLE OF INVENTION: CTRF Genes and Proteins for Cystic Fibrosis Gene Therapy
, FILE REFERENCE: FSU-99XC1
, CURRENT APPLICATION NUMBER: US/09/425,453A
, CURRENT FILING DATE: 1999-10-22
, PRIOR APPLICATION NUMBER: 60/105,444
, PRIOR FILING DATE: 1998-10-23
, NUMBER OF SEQ ID NOS: 20
, SOFTWARE: PatentIn Ver. 2.0
, SEQ ID NO 10
, LENGTH: 1480

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Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYRQRL 7  
Db 27 GYRQRL 33

RESULT 29  
US-09-425-453A-12  
; Sequence 12, Application US/09425453A  
; Patent No. 6468793

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, GENERAL INFORMATION:
, APPLICANT: Teem, John L.
, TITLE OF INVENTION: CTRF Genes and Proteins for Cystic Fibrosis Gene Therapy
, FILE REFERENCE: FSU-99XC1
, CURRENT APPLICATION NUMBER: US/09/425,453A
, CURRENT FILING DATE: 1999-10-22
, PRIOR APPLICATION NUMBER: 60/105,444
, PRIOR FILING DATE: 1998-10-23
, NUMBER OF SEQ ID NOS: 20
, SOFTWARE: PatentIn Ver. 2.0

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Query Match 100.0%; Score 37; DB 2; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7: Conservative 0; Mismatches 0; Indels

Qy 1 GYRQRL 7  
db 27 GYRQRL 33

RESULT 30  
US-09-425-453A-14  
; Sequence 14, Application US/09425453A  
; Patent No. 6468793  
; GENERAL INFORMATION.

APPLICANT: Teem, John L.  
TITLE OF INVENTION: CFTR Genes and Proteins for Cystic Fibrosis Gene Therapy

```
; FILE REFERENCE: FSU-99XC1
; CURRENT APPLICATION NUMBER: US/09/425,453A
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,444
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 1480
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-425-453A-14

Query Match      100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GYRQRL 7
Db      27 GYRQRL 33

RESULT 31
US-09-425-453A-16
; Sequence 16, Application US/09425453A
; Patent No. 6468793
; GENERAL INFORMATION:
; APPLICANT: Teem, John L.
; TITLE OF INVENTION: CFTR Genes and Proteins for Cystic Fibrosis Gene Therapy
; FILE REFERENCE: FSU-99XC1
; CURRENT APPLICATION NUMBER: US/09/425,453A
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,444
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 1480
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(1480)
; US-09-425-453A-16

Query Match      100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GYRQRL 7
Db      27 GYRQRL 33

RESULT 32
US-09-425-453A-18
; Sequence 18, Application US/09425453A
; Patent No. 6468793
; GENERAL INFORMATION:
; APPLICANT: Teem, John L.
; TITLE OF INVENTION: CFTR Genes and Proteins for Cystic Fibrosis Gene Therapy
; FILE REFERENCE: FSU-99XC1
; CURRENT APPLICATION NUMBER: US/09/425,453A
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,444
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 1480
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-425-453A-18

Query Match      100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GYRQRL 7
Db      27 GYRQRL 33

RESULT 33
US-09-425-453A-20
; Sequence 20, Application US/09425453A
; Patent No. 6468793
; GENERAL INFORMATION:
; APPLICANT: Teem, John L.
; TITLE OF INVENTION: CFTR Genes and Proteins for Cystic Fibrosis Gene Therapy
; FILE REFERENCE: FSU-99XC1
; CURRENT APPLICATION NUMBER: US/09/425,453A
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,444
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 1480
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-425-453A-20

Query Match      100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GYRQRL 7
Db      27 GYRQRL 33

RESULT 34
US-08-469-630-17
; Sequence 17, Application US/08469630
; Patent No. 6730777
; GENERAL INFORMATION:
; APPLICANT: Tsui, Lap-Chee
; APPLICANT: Riordan, John R.
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Kerem, Bat-Sheva
; APPLICANT: Collins, Francis S.
; APPLICANT: Iannuzzi, Michael C.
; APPLICANT: Drumm, Mitchell L.
; APPLICANT: Buckwald, Manuel
; TITLE OF INVENTION: Cystic Fibrosis Gene
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,630
; FILING DATE: '06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
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; REFERENCE/DOCKET NUMBER: 1329.0010005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-469-630-17

Query Match 100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7
DB 27 GYRQRL 33

RESULT 35
US-09-949-016-5949
; Sequence 5949, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5949
; LENGTH: 1480
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-5949

Query Match 100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7
DB 27 GYRQRL 33

RESULT 36
US-09-405-735-2
; Sequence 2, Application US/09405735
; Patent No. 6825178
; GENERAL INFORMATION:
; APPLICANT: Pier, Gerald B.
; TITLE OF INVENTION: Methods and products for Treating
; FILE REFERENCE: B0801/7155 (HCL)
; CURRENT APPLICATION NUMBER: US/09/405,735
; CURRENT FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: US 08/681,838
; PRIOR FILING DATE: 1996-07-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1480
; TYPE: PRT

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; ORGANISM: Homo Sapiens
US-09-405-735-2

Query Match 100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7
DB 27 GYRQRL 33

RESULT 37
US-08-252-778-17
; Sequence 17, Application US/08252778
; Patent No. 6902907
; GENERAL INFORMATION:
; APPLICANT: Tsui, Lap-Chee
; APPLICANT: Riordan, John R.
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Kerem, Bat-Sheva
; APPLICANT: Buchwald, Manuel
; APPLICANT: Collins, Francis S.
; APPLICANT: Iannuzzi, Michael C.
; APPLICANT: Drumm, Mitchell L.
; TITLE OF INVENTION: Cystic Fibrosis Gene
; FILE REFERENCE: 1329.0010004
; CURRENT APPLICATION NUMBER: US/08/252,778
; CURRENT FILING DATE: 1994-06-02
; PRIOR APPLICATION NUMBER: US 08/123,864
; PRIOR FILING DATE: 1993-09-20
; PRIOR APPLICATION NUMBER: US 07/401,609
; PRIOR FILING DATE: 1989-08-31
; PRIOR APPLICATION NUMBER: US 07/399,945
; PRIOR FILING DATE: 1989-08-24
; PRIOR APPLICATION NUMBER: US 07/396,894
; PRIOR FILING DATE: 1989-08-22
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17
; LENGTH: 1480
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-08-252-778-17

Query Match 100.0%; Score 37; DB 2; Length 1480;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYRQRL 7
DB 27 GYRQRL 33

RESULT 38
PCT-US93-11667-2
; Sequence 2, Application PC/TUS9311667
; GENERAL INFORMATION:
; APPLICANT: Gregory, R.J., Armentano, D., Couture, L.A., Smith,
; APPLICANT: A.E.
; TITLE OF INVENTION: GENE THERAPY FOR CYSTIC FIBROSIS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 STATE STREET, SUITE 510
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/11667  
; FILING DATE: 02-DEC-1993  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/985,478  
; FILING DATE: 02-DEC-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hanley, Elizabeth A.  
; REGISTRATION NUMBER: 33,505  
; REFERENCE/DOCKET NUMBER: NZI-014CP2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1480 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; PCT-US93-11667-2

Query Match 100.0%; Score 37; DB 5; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 GYRQRL 7  
Db 27 GYRQRL 33

RESULT 39  
5240846-5  
; Patent No. 5240846  
; APPLICANT: Collins, Francis S.; Wilson, James C.  
; TITLE OF INVENTION: GENE THERAPY VECTOR FOR CYSTIC  
; FIBROSIS  
; NUMBER OF SEQUENCES: 5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/584,275  
; FILING DATE: 18-SEP-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 399,945  
; FILING DATE: 24-AUG-1989  
; APPLICATION NUMBER: 401,609  
; FILING DATE: 31-AUG-1989  
; SEQ ID NO: 5:  
; LENGTH: 1480

Query Match 100.0%; Score 37; DB 7; Length 1480;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 GYRQRL 7  
Db 27 GYRQRL 33

RESULT 40  
US-09-949-016-11311  
; Sequence 11311, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11311  
; LENGTH: 1501  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-949-016-11311

Query Match 100.0%; Score 37; DB 2; Length 1501;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 GYRQRL 7  
Db 48 GYRQRL 54

Search completed: September 15, 2006, 13:52:11  
Job time : 30.5 secs